

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Solid insulator ~~for use in~~ within a gas-insulated encapsulated high voltage installation, the solid insulator with an a disc-shaped insulator body which is supporting at least one conductor that is provided for carrying high voltage, and that is to be arranged within an outer enclosure of the gas-insulated encapsulated high voltage installation, wherein said insulator body comprises a fiber-reinforced polymer, the orientation of the fibers of the insulator body is in the disc-plane and the orientation varies from layer to layer or within a layer, such that the disc-plane has quasi-isotropic mechanical properties.

2. (Original) Solid insulator as claimed in claim 1, wherein said insulator body comprises a fiber-reinforced epoxy material.

3. (Previously Presented) Solid insulator as claimed in claim 1, wherein said insulator body comprises non-conductive organic fibers and/or non-conductive inorganic fibers.

4. (Previously Presented) Solid insulator as claimed in claim 1, wherein said insulator body comprises conductive fibers for field grading purposes.

5. (Canceled)

6. (Currently Amended) ~~Solid insulator as claimed in claim 5,~~

~~wherein the orientation of the fibers in the insulator body is in radial and hoop directions and the fiber fabrics are arranged in different layers.~~

Solid insulator within a gas-insulated encapsulated high voltage installation, the solid insulator with an insulator body supporting at least one conductor that is provided for carrying high voltage, and that is arranged within an outer enclosure of the installation, wherein the insulator body comprises a fiber-reinforced polymer, the orientation of the fibers in the insulator body is in radial and hoop directions and the fiber fabrics are arranged in different layers such that the insulator body has quasi-isotropic mechanical properties.

7. (Currently Amended) ~~Solid insulator as claimed in claim 5,~~

~~wherein the orientation of the fibers in the insulator body is biaxial and the fiber fabrics are arranged in different layers, the stacked layers being rotated by a given degree.~~

Solid insulator within a gas-insulated encapsulated high voltage installation, the solid insulator with an insulator body supporting at least one conductor that is provided for carrying high voltage, and that is arranged within an outer enclosure of the installation, wherein the insulator body comprises a fiber-reinforced polymer, the orientation of the fibers in the insulator body is biaxial and the fiber fabrics are

arranged in different layers with the stacked layers rotated by a given degree such that the insulator body has quasi-isotropic mechanical properties.

8. (Currently Amended) ~~Solid insulator as claimed in claim 5,~~
~~wherein the orientation of the fibers in the insulator body is unidirectional and the fiber fabrics are arranged in different layers, the stacked layers being rotated by a given degree.~~

Solid insulator within a gas-insulated encapsulated high voltage installation, the solid insulator with an insulator body supporting at least one conductor that is provided for carrying high voltage, and that is arranged within an outer enclosure of the installation, wherein the insulator body comprises a fiber-reinforced polymer, the orientation of the fibers in the insulator body is unidirectional and the fiber fabrics are arranged in different layers with the stacked layers rotated by a given degree such that the insulator body has quasi-isotropic mechanical properties.

9. (Currently Amended) Solid insulator as claimed in claim 5 1,
wherein a fiber backbone of the insulator body comprises a preform with stacked layers of radial and hoop, biaxial or unidirectional fibers, where the layers are physically or chemically bonded.

10. (Currently Amended) ~~Solid insulator as claimed in claim 5,~~
~~wherein a fiber backbone of the insulator body comprises a preform, which comprises a continuous radial and hoop spiral-like fiber layer.~~

Solid insulator within a gas-insulated encapsulated high voltage installation, the solid insulator with an insulator body supporting at least one conductor that is provided for carrying high voltage, and that is arranged within an outer enclosure of the gas-insulated encapsulated high voltage installation, wherein the insulator body comprises a fiber-reinforced polymer, a fiber backbone of the insulator body comprises a preform including a continuous radial and hoop spiral-like fiber layer, the orientation of the fibers in the insulator body is such that the insulator body has quasi-isotropic mechanical properties.

11. (Currently Amended) Solid insulator as claimed in claim 5 1, wherein a fiber backbone in the insulator body comprises a preform, which comprises a three-dimensional woven fiber structure.

12-20. (Canceled)

21. (New) Solid insulator as claimed in claim 7, wherein the rotation of the layer stacking sequence is in total 360°.

22. (New) Solid insulator as claimed in claim 8, wherein the rotation of the layer stacking sequence is in total 360°.

23. (New) Solid insulator as claimed in claim 6, wherein the insulator body is of a disc shape.

24. (New) Solid insulator as claimed in claim 7, wherein the insulator body has a disc shape.

25. (New) Solid insulator as claimed in claim 8, wherein the insulator body has a disc shape.

26. (New) Solid insulator as claimed in claim 10, wherein the insulator body has a disc shape.